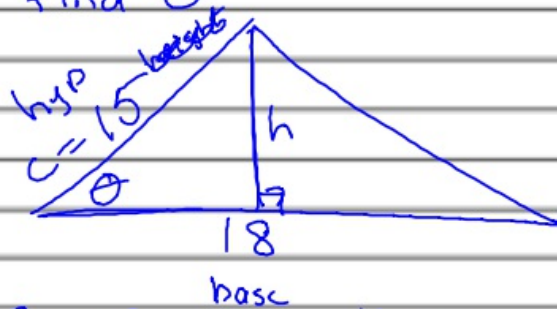


Questions:

Notes: Area of a Δ , cont.

Ex | A triangle has area 100m^2
find θ



$$A = \frac{1}{2} bc \sin \theta$$

Substitute what we

Know:

Know

$$A = 100$$

$$b = 18$$

$$c = 15$$

$$100 = \frac{1}{2} (18)(15) \sin \theta \rightarrow \theta =$$

$$\frac{100}{135} = \frac{135 \sin \theta}{135}$$

$$\frac{100}{135} = \sin \theta$$

$$\theta = \sin^{-1} \left(\frac{100}{135} \right)$$
$$\theta \approx 47.8^\circ$$

p, 390-391
16, 14, 3, 5